

# 2012 KENTUCKY ASTHMA PROGRAM FACT SHEET: LAKE CUMBERLAND AREA DEVELOPMENT DISTRICT

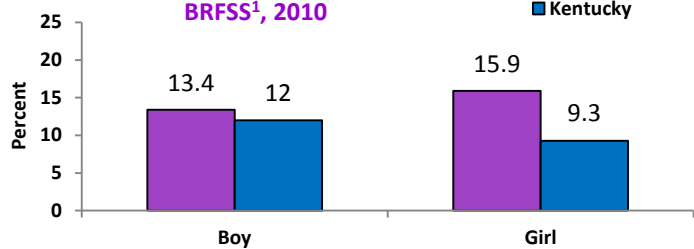
- The Lake Cumberland District of Kentucky is comprised of 10 counties: Taylor, Adair, Green, Casey, Russell, Pulaski, Clinton, Cumberland, Wayne, and McCreary.
- The 2011 Lake Cumberland District population was roughly 208,100. About 46,800 persons were younger than 18 (children), and about 161,000 were 18 or older (adults).



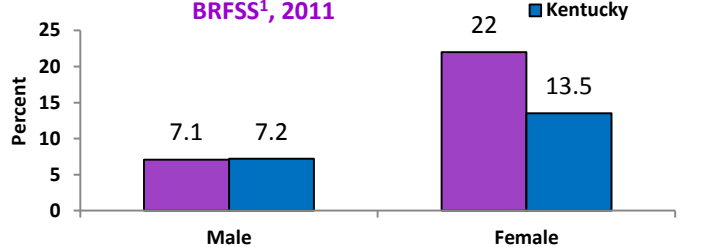
## PREVALENCE

- In 2010, an estimated 6,600 children (14.7%) in the Lake Cumberland District currently had asthma, compared to 10.7% for Kentucky and 8.4% for the United States.<sup>1</sup> In 2011, an estimated 23,900 adults (14.5%) in this district currently had asthma, compared to 10.4% for Kentucky and 9.1% for the United States.<sup>1</sup>

**Child current asthma prevalence, by gender: BRFSS<sup>1</sup>, 2010**



**Adult current asthma prevalence, by gender: BRFSS<sup>1</sup>, 2011**

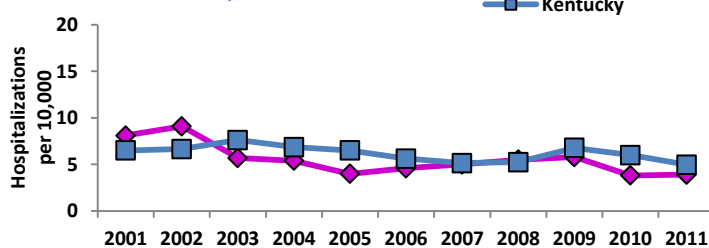


- In 2010, child current asthma prevalence rate was higher in both boys and girls in Lake Cumberland District compared to Kentucky. In 2011, adult current asthma prevalence rate was higher in females in this district compared to the state. (NOTE: BRFSS 2010 data cannot be compared to BRFSS 2011 data because of change in methodology).

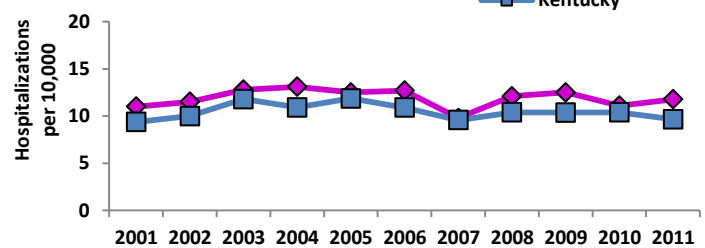
## HOSPITALIZATIONS

- In 2011, the age-adjusted hospitalization rate for children was 3.9/10,000 persons compared to the Kentucky rate of 4.9/10,000 persons; while the age-adjusted hospitalization rate for adults was 11.8/10,000 persons compared to the Kentucky rate of 9.7/10,000 persons.

**Child age-adjusted asthma hospitalizations: KY OHP<sup>2</sup>, 2001- 2011**



**Adult age-adjusted asthma hospitalizations: KY OHP<sup>2</sup>, 2001- 2011**



- Since 2009, child asthma hospitalizations in the Lake Cumberland District have been on a gradual decline. Between 2001 and 2011, this district averaged 8.7 asthma hospitalizations/10,000 /persons/year, while Kentucky averaged 8.3 asthma hospitalizations/10,000 persons/ year over the same 11 year period.<sup>2</sup>

## EMERGENCY DEPARTMENT VISITS

- In 2011, the asthma Emergency Department (ED) visits for children were 1.5/1,000 persons, compared to the state rate of 1.9/1,000 persons<sup>3</sup> and for adults were 2.1/1,000 persons compared to the state rate of 2.5/1,000 persons.<sup>3</sup>

## MORTALITY

- Between 2001 and 2010, the average age-adjusted asthma deaths were 1.01 /100,000 persons/year in this district compared to 1.10/100,000 persons/year for Kentucky.<sup>4</sup> In 2010, crude asthma death rates for Kentucky were 1.01/100,000 persons<sup>4</sup> compared to the US crude death rate of 1.1/100,000 persons.<sup>5</sup>

### NOTES:

1. Behavioral Risk Factor Surveillance System (BRFSS).

3. OHP: Preliminary data 2011.

5. CDC Wonder data: <http://wonder.cdc.gov/ucd-icd10.html>

2. Kentucky, Office of Health Policy (OHP), 2001-2011.

4. Office of Vital Statistics, Kentucky, 2001-2010.

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